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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/621,300	07/16/2003	Dou Yuanzhu	9281-4576	2226
	7590 09/22/2004		EXAMINER		
	Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610			A, MINH D	
				ART UNIT	PAPER NUMBER
	Cincago, 12	00010		2821	
			DATE MAILED: 09/22/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Ar.		
	Application No.	Applicant(s)		
	10/621,300	YUANZHU, DOU		
Office Action Summary	Examiner	Art Unit		
	Minh D A	2821		
The MAILING DATE of this communication a	ppears on the cover sheet	with the correspondence address		
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR of after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a recommendation if NO period for reply is specified above, the maximum statutory perions Failure to reply within the set or extended period for reply will, by status Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a eply within the statutory minimum of the od will apply and will expire SIX (6) Mo ute, cause the application to become.	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on 16	July 2003.			
2a) This action is FINAL . 2b) ⊠ Th	nis action is non-final.			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.		
Disposition of Claims				
4) Claim(s) 1-7 is/are pending in the application	1.			
4a) Of the above claim(s) is/are withdr	rawn from consideration.			
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-7</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and	or election requirement.			
Application Papers				
9)☐ The specification is objected to by the Examir	ner.			
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the I	Examiner. Note the attach	ed Office Action or form PTO-152.		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).		
a) All b) Some * c) None of: 1. Certified copies of the priority docume	nto have been received			
2. Certified copies of the priority document		Application No.		
3. Copies of the certified copies of the pri				
application from the International Bure	•	in received in this reaction orage		
* See the attached detailed Office action for a lis		ot received.		
Attachment/e\				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Intensieu	Summary (PTO-413)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No	o(s)/Mail Date		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 7/16/03, 1/15/04	8) 5) Notice of 6) Other:	f Informal Patent Application (PTO-152)		

Application/Control Number: 10/621,300

Art Unit: 2821

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being unpatentable by Suguro et al (US 6,150,984).

Regarding claim 1, Suguro discloses a shared antenna and portable radio device comprising circularly-polarized antenna (MSA1); and linearly-polarized antenna (2) wherein both antenna (1 and 2) are connected to a diversity receiving circuit and one of the antennas is rotatably supported (rotary shaft A or element 33). See fires 1-3, col.3, lines 5-61 to col.7, lines 1-10.

Regarding claims 2-3, Suguro discloses the circularly-polarized antenna is an antenna that intensively radiates circularly polarized radio waves a specific direction and the linearly-polarized antenna inherently is an omni-directional antenna with respect to a predetermined plane (because the linear antenna is helical antenna or monopole antenna as show on figure 2) and the rotatably-supported antenna (A) is the circularly-polarized antenna. See figures 1-3.

Regarding claim 4, Suguro discloses wherein polarization diversity is achieved by arranging the circularly-polarized and the linearly polarized antenna in different position. See figures 3-8.

Application/Control Number: 10/621,300

Art Unit: 2821

Regarding claim 5, Suguro discloses wherein a shape of the patch electrode the patch antenna (8) is a circle or any other appropriate geometric shape. See figures 3-8.

Regarding claim 6, Suguro discloses an antenna comprising a high gain antenna (2) and a linearly polarized antenna (8 or 33), both antennas (2 and (8 or 33) antenna are connected to a diversity antenna supported (33. See figures 3-8, col.3, lines 5-67 to col.7, lines 1-10.

Regarding claim 7, Suguro discloses wherein the rotatably-supported antenna(33) is the high-gain antenna. See figures 3-8.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Louzir et al(US 6,618,012) and Desclos et al. (US 6,160,512) are cited to show a multi-mode antenna.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 –2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

Application/Control Number: 10/621,300

Art Unit: 2821

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

Examiner

Minh A

Art unit 2821

9/14/04

WILSON LEE PRIMARY EXAMINER